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**Current Positions:** Director, Columbia Institute for Tele-Information, 1983-1987 (Founder); 1990- present. (CITI was the Sloan Foundation's national center for telecommunications and information industry studies)

Professor of Finance and Economics, 1976 - present, incl. Assistant and Associate Professor, Graduate School of Business, Columbia University, 1976-present.

Taught also at Columbia Law School, and on faculty of Columbia School of Public and International Affairs

Princeton University, Department of Economics and Woodrow Wilson School, Visiting Asst. Professor, 1975-1976.

Virtual Visiting Professor, University of St. Gallen, Switzerland, 1998-2002

**Other Positions:** Commissioner, New York State Public Service Commission 1987-1990.

- Recent Honors:** Honorary Doctorate, Université de la Méditerranée, (University of Marseille, University of Aix-le-Provence), 2008
- Honorary Doctorate, Ludwig-Maximilian University, Munich, 2004 (Recognized by German government as one of Germany's top 3 universities).
- Distinguished Member Award, American Economic Association, Transportation and Public Utilities Group, 2006
- Senior Fellow Award, DeSantis Center for Film Studies, 2009
- Distinguished Service Award. Public Utilities Center (University of Florida) 2009.
- Best Book in Media Economics 2010, Association for Education in Journalism and Mass Communication
- Education:** Ph.D., 1975, Harvard University, Department of Economics. Dissertation Advisors: Martin Feldstein, Thomas Schelling
- J.D., 1975, Harvard Law School.
- M.A., 1972, Harvard University, Department of Economics.
- B.A., 1970, Harvard College, Economics and History, Phi Beta Kappa, Summa Cum Laude Thesis, 1970, John Harvard Scholar
- Publications:**
- I. Books:**
- Telecommunications Regulation: Today and Tomorrow*, Editor. New York: 477 pp. Law and Business: Harcourt Brace Jovanovich, 1982.
- Video Media Competition: Regulation, Economics, and Technology*, Editor. 468 pp. New York: Columbia University Press, 1985.
- Services in Transition: The Impact of Information Technologies on the Service Sector*, Co-editor. 218 pp. Cambridge, Mass.: Ballinger, 1986.
- Law of International Telecommunications in the United States*, Co-editor. 271 pp. Baden-Baden: Nomos, 1988.

*The Cost of Libel*, Co-editor. 283 pp. Columbia University Press, 1989.

*Technologies without Boundaries*, Editor for Ithiel de Sola Pool (posthumously). Translated into Japanese and Arabic. Harvard University Press 1990.

*Television in Europe*. 395 pp., Oxford University Press 1991.

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*The International Market for Film and Television*, Co-editor. 202 pp., Ablex, 1992.

*Asymmetric Deregulation*, Co-Editor. 264 pp., Ablex, 1992.

*Privacy in Telecommunications: Markets, Rights, and Regulations*, Monograph, United Church of Christ, 1994.

*Telecommunications in the Pacific Basin*, Co-editor. 514 pp., Oxford University Press, 1994.

*Private Networks and Public Objectives*, Co-Editor, Elsevier, Amsterdam 1996.

*Globalism and Localism in Telecommunications*, Co-Editor. 391 pp., Amsterdam 1997.

*Telecommunications in Western Asia and the Middle East*. 244 pp., Oxford University Press 1997.

*Public Television in America*. 181 pp., Bertelsmann Foundation Publishers, 1998.

*Telecommunications in Latin America*. 265 pp., Oxford University Press, 1998

*Telecommunications in Africa*. 306 pp., Oxford University Press 1999.

*The New Investment Theory of Real Options and its Implication for Telecommunications Economics*. co-editor, 280 pp., Kluwer Academic Publishers, 1999.

*Interconnecting the Network of Networks*, NJ, 318 pp., MIT Press, 2001.

*Internet Television*, co-editor, 249 pp., Lawrence Erlbaum, Mahwah, NJ 2004.

*Competition for the Mobile Internet*, co-editor, 223pp., Artech, 2004.

*Telecommunications Meltdown* (in Japanese), co-author, 185 pp., Tokyo, NTT Publishing Company, 2005.

*Mobile Media: Content and Services for Wireless Communications*, co-editor, 241 pp., Erlbaum, 2006.

*Peer- to-Peer Video as a Distribution Medium: The Economics, Policy, and Culture of Today's New Mass Medium*, Co-editor, Springer Publishers, 2008

*Ultrabroadband: The Next Stage in Communications, Communications and Strategies*, special issue, Co-editor, 2008

*Media Ownership and Concentration in America*, Oxford University Press, 2009

## **Books in Preparation:**

### **1. Monographs**

*Media Management (a textbook)*

*Broadband Nation: The Dark Side of the Internet*

*Media Finance and Accounting*

*Media Marketing and Distribution*

*Media Regulation and IP Law*

*Media Production and Technology*

*Competing for Attention Span*

*The Impact of Knowledge on the Firm*

## **2. Edited Volumes**

*Ultrabroadband Networks and the Personal Media Cloud*, editor

*International Media Concentration*

## **II. Articles:**

### **A. Articles on Public Choice and Regulation (General)**

"Confidentiality Claims of Business Organizations," with Kent Greenawalt, in *Business Disclosure: Government's Need to Know*, Harvey Goldschmidt, ed., New York: McGraw Hill (1979), pp. 210-219.

"The Efficiency of Direct Democracy," *Journal of Political Economy*, Vol. 88, No. 4 (August 1980), pp. 803-10.

"The Interaction of Federal De-Regulation and State Regulation," *Hofstra Law Review*, Vol. 9, No. 1 (Fall 1980), pp. 195-210.

"Divergent Goals for the Deregulators," *New York Times*, editorial page article (August 6, 1981).

"The Valuation of Legal Rights," *The Quarterly Journal of Economics*, Vol. 46, No. 3 (August 1981), pp. 465-476.

"The Choice of Government Level in Regulation," *Kyklos*, Vol. 35 (June 1982), pp. 276-291.

"Does Independence Matter? An Analysis of Regulatory Behavior," *Quarterly Review of Economics and Business*, Vol. 22, No. 4 (Winter 1982), pp. 51-60.

"Government Regulation of Business in a Federal State: Allocation of Power Under Deregulation," *Osgoode Hall Law Journal*, (Canada Law Review), Vol. 20, No. 4 (December 1982), pp. 762-79.

"The Interaction of Building Codes and Housing Prices," *Journal of the American Real Estate and Urban Economics Association*, Vol. 10 (1983), pp. 394-404.

"Market Power and Regulation: A Simultaneous Approach," *The Journal of Industrial Economics*, Vol. 32, No. 3 (March 1984), pp. 335-347.

"A Local Regulator's Rewards for Conformity in Regulation," *Public Choice*, vol. 45, no. 3 (1985), pp. 291-302.

"The Effect of Unionization and Civil Service on the Salaries and Productivity of Regulators," *Research in Labor Economics*, Vol. 5 (1983), pp. 157-70.

## **B. Articles on Public Finance**

"The Optimal Budget," *National Tax Journal*, Vol. 32, no. 2 (June 1979), pp. 165-72.

"Tax Limitations and Fiscal Federalism," *National Tax Journal*, Vol. 32, No. 2, supplement (June 1979), pp. 181-88.

"Income Sensitivity of Price Elasticities: Effects on the Demand for Public Goods," *Public Finance Quarterly*, Vol. 9, No. 1 (January 1981), pp. 23-34.

"Public Preferences for Economic Policies," *Journal of Economic Psychology*, Vol. 1, No. 4 (December 1981), pp. 273-81.

"Demand Functions and the Valuation of Public Goods," *Public Choice*, Vol. 38, No. 3 (1982), pp. 271-80.

"Public Good Demand Functions: Categories of Preference," *Public Choice*, Special Issue, G. Tullock, ed., New Orleans (1980), pp. 49-58.

"The Effects of U.S. Tax Laws on the Tax Systems of Developing Countries," *United States Taxation and Developing Countries*, R. Hellawell, ed., New York: Columbia University Press (1980), pp. 210-19.

"Measuring Subjective Valuation and Demand for Government Services," *Journal of Consumer Research, Papers and Proceedings*, Vol. 8 (October 1981), pp. 534-38.

"The Dynamics of Media Concentration: The American Experience," *The Media Industries and their Markets – Quantitative and Econometric Analyses*. Annual Volume of the Applied Econometrics Association, J.B. Lesoud, ed. Palgrave Macmillan, 2010. Forthcoming

### **C. Articles on the Economics of Criminal Justice**

"The Criminal Justice System: An Economic Model," *Modeling the Criminal Justice System*, Stuart Nagel, ed., Beverly Hills: Sage Press (1977), pp. 41-56.

"The Negotiated Guilty Plea," *NYU Law Review*, Vol. 54 (April 1979), pp. 280-87.

"Blindfolded Justice Led by an Invisible Hand: Criminal Justice as a Variable of Exchange Transactions," *Law and Policy Quarterly*, Vol. 3, No. 4 (October 1981), pp. 490-501.

"The Optimal Size of the Criminal Court System," *Social Dimensions of Economics*, Vol. 2 (1981), pp. 145-61.

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"Case Quotas in the Court: An Analysis of the Allocation of Judicial Resources," *Journal of Research in Crime and Delinquency*, Vol. 19, No. 2 (July 1982), pp. 204-15.

"Jury Trial vs. Guilty Plea: A Prosecutor's Cost-Benefit Comparison," *Journal of the New York State Economic Association*, Vol. 12 (1982), pp. 76-83.

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### **D. Articles on Communications**

"Opening up Cable TV," *The New York Times*, editorial page article (March 19, 1981).

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## **E. Book Reviews**

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Review, W. Hirsch, "Law and Economics: An Introductory Analysis," *Kyklos*, Vol. 34, No. 2 (1981), pp. 310-11.

Review, R. Posner, "The Economics of Justice," *American Bar Foundation Research Journal* (Winter 1982), pp. 269-74, *Kyklos*, Vol. 35, No. 1 (1982), pp. 179-80.

Review, L. White, "Reforming Regulation: Processes and Problems," *Hofstra Law Review*, Vol. 10, No. 3 (spring 1982), pp. 969-72.

Review, R. Posner, "The Economics of Justice," *Kyklos*, Vol. 35, No. 1 (1982), pp. 179-80.

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Review, C. Shooshan, "The AT&T Divestiture," *Journal of Economic Literature*, Vol. XXIII, No. 2, pp. 650-51.

Review, A. Stone, "Disconnecting Bell," *The Journal of Economic Literature*, Vol. XXIII, No. 3, pg. 650.

## **F. Working Papers**

“Trade Model for Online Sharing and its Impact on Cultural Globalization,” with Andres Hervas-Drane

“Economies of Scale, Network Effects, and the Dynamics of the Telecom Industry Structure”, *International Journal of Management and Network Economics*

“Trends in the Music Industry: Crisis and Restructuring”

“Facing Asia : The American Consumer Electronics Industry 1984 -2011“

“Vertical Disintegration in the American Computer Industry”

“Concentration Trends of the American Computer Software Sector”

“Cyclicalities in the American Telecommunications Equipment Industry”

“Did Deregulation and Diverstiture Achieve Competition in the American Telecommunications Sector?”

“From Ben Franklin to i-Pad: Consolidation in American Book Publishing”

“Magazines: Last Print Medium Standing?”

“The Ownership by Financial Institution of American Media”

“Concentration and the Decline of the Newspaper Industry”

“Institutional Ownership of the American IT Industries”

“Vertical Ownership Trends in American Mass Media, 1983-2008”

“Vertical Concentration in the American IT Sector”

“Local Media Markets: From Oligopoly to Monopoly”

“A New Concentration Index for Media Industries”

“Restructuring of Traditional Media: The American Radio Industry, 1984-2009”

“Distribution of TV and Video to the Home: Empirical Evidence and Regulatory Implications”

“Content and Ownership: Diversity in TV Program Channels”

“The Internet: Still Wide Open?”

“The World’s Most Permanent Oligology: the American Film Industry”

“American Broadcast Television: Decline or Dominance?”

**Editorships:**

General Editor of the Columbia University Press Book series, "Business, Government, and Society."

Faculty Committee on Publications, Columbia University Press (1987-1990).

Member, Editorial Board: *The Communications Review*

*New Media*

*Telecommunications Policy*

*Telematics*

*Transborder Data Report*

*Utility Policy*

*Communications and Strategies*

*International Journal of Media Management*

*Info: the International Journal of Information*

*International Journal of Management and Network Economics*

Appointed regular columnist of the *Financial Times*, online edition, on the subject of the New Economy, 2002-Current.

**Teaching and  
University Service  
(partial):**

Student evaluations of teaching for 2010 (scale 1-5), Spring Semester courses, scores: 4.3, 4.5., Fall:

Chairman, MBA Concentration in Media Management, Columbia University, 1994-2003. Initiated the program.

Executive Committee of Ph.D. Program in Communication (initiated university-wide task force to establish Ph.D. program)

Extensive development of web-based distance education courses in media management, with the support of Bertelsmann Foundation and the University of St. Gallen, Switzerland.

University Senate (3 years)

Member, Tenure and Promotions Committee

Chairman; Search committees on several faculty positions



Chairman, Committee on Executive Education Faculty Planning  
Chairman and member, Faculty Committee on Admissions Policy  
Member, Committees on Information Technology  
Member, Disciplinary Committee

**Bar Admissions:** New York State; District of Columbia; U.S. Supreme Court.

**Present and Main Past Activities and Affiliations:** Chairman of the Board, Nexus Mundi Foundation (Vatican-based organization for the creation of tele-centers in developing countries), Rome and New York

Member, Advisory Committee for the Federal FTS-2000 network, largest U.S. government civilian procurement project.

Faculty Committee, University Seminars, Columbia University (1987-1990).

Member, Advisory Board, IRS Tax system modernization.

Member, Faculty Steering Committee of the Centre National de la Recherche Scientifique, Paris, France.

Research Advisory Board, New York City Police Department, 1976-1980.

Member, National Committee on Mass Media of the American Civil Liberties Union. 1982-1986.

Advisor, Consumer Information Project, United Church of Christ, Office of Telecommunications.

Member, Advisory Board on Technology Impact, Office of Technology Assessment, U.S. Congress.

Member, Scientific Board, Institute de L'Audiovisuel et Telecommunication en Europe.

Co-Chairman of Board, Annual Telecommunications Policy Research Conference 1997.

Member, New York State Governor's Task Force on the Communication Sector of New York

Member, Advisory Board, Minority Media and Telecommunications Council

Commissioner, Commission on the Status of Women in Computing

National Academy of Science, Expert Committee on Broadband Last Mile Technology

Director and initiator of the *Virtual Institute of Information*, an electronic information platform, based at Columbia.

Oxford Internet Institute, Advisory Board

Member, Board of Directors, Intek Global Corporation

Member, Board of Trustees, Jones International University

Member, Council on Foreign Relations

Honorary Fellow, International Engineering Consortium

Participant, World Economic Forum (Davos, Switzerland) 5 times.

Member, World Economic Forum, Global Agenda Councils

National Academy of Science, Expert Committee on Telecommunications Research and Development

Member, Scientific Advisory Board, France Telecom

Member, Advisory Board, Irish Telecom Board ComReg

Member, President's Information Technology Advisory Committee (PITAC) (White House Appointment, 2003)

**Grants & Research Support:** National Science Foundation: "Technical Innovation under Monopoly and Competition: Established Cable Television Franchises and the State of the Art."

National Science Foundation, "The Impact of New Information Technology on the Service Sector".

National Science Foundation, "The Dynamics of One-Sided Liberalization".

Fellow of the German Marshall Fund of the United States: "The Growing Divergence of American and European Telecommunications Infrastructure and its Implications for Information Supply."

Resident Fellow, Freedom Forum Media Studies Center, 1994-95.

Association of Academic Health Centers, Annual Award Lectureship, 1997.

Alfred P. Sloan Foundation, obtained award of multi-year grant for national research center on the telecom industry, 2000; renewed, 2003; renewed 2006.

Alfred P. Sloan Foundation, grant for project, "Remedies for Telecommunications Recovery," 2002.

Open Society Institute, grant for project "International Media Concentration", 2010

"The Challenge of Telecom 3.0," Commissioned paper for Annual Meeting of European Telecom Network Organization, 2008.

Canadian Radio–Television and Telecommunications Commission, report "TV or Not TV – Three Screens, One Regulation," 2009

Time Warner Cable Research Program on Digital Communications, [www.twcresearchprogram.com](http://www.twcresearchprogram.com), and (An open competitive research grant program) "Next Generation Content for Next Generation Networks," 2011

The Columbia Institute for Tele-Information is supported by about two dozen companies and foundations, from five industries and from over ten countries. [www.citi.columbia.edu](http://www.citi.columbia.edu). These funds are not used to support Prof. Noam's salary or other compensation to him.

**Patents:**

US Patent 7,203,657, granted 4/10/2007, "General Packet-Based Payment and Transaction Method and System"

**Personal:** Born 1946. Married since 1980 to Nadine Strossen, Professor at New York Law School, and National President, American Civil Liberties Union 1990-2009. No children.

**Military Service:** Israel Air Force, 1966-68. Six Days War, 1967; October War, 1973

**Hobbies:** Skiing; flying own plane; radio amateur, advanced class; theater; scuba diving.

**Other:** Commercially rated pilot. Actively flying with Civil Air Patrol, Mission Pilot for aerial search and rescue (SAR), 1<sup>st</sup> Lt.